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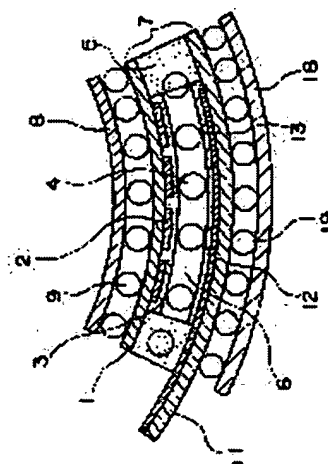
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(54) LIQUID CRYSTAL DISPLAY ELEMENT

(57)Abstract:

PURPOSE: To obtain the liquid crystal display element which is free from the generation of interference fringes, such as Newton rings, at the boundaries between substrates and polarizing plates, the partial adhesion of the boundaries, etc., and has good display quality by dispersing and disposing spacer materials on the substrate surfaces of a liquid crystal cell in contact with the polarizing plates.

CONSTITUTION: Transparent electrodes 2, 12 for display are respectively formed on the flexible film substrates 1, 11 on the upper and lower sides and further, oriented films 3, 13 are formed thereon and are subjected to an orientation treatment. A pair of the substrates 1, 11 is disposed to maintain a uniform spacing by the gap materials 4 and a liquid crystal layer 6 is formed therebetween to constitute the liquid crystal cell. The liquid crystal 7 is curved to a prescribed curing shape and



the spacer materials 9, 19 are uniformly dispersed and disposed respectively between the liquid crystal 7 and the polarizing plates 8, 18 to maintain both at the uniform spacing. The generation of the interference fringes, such as Newton rings, on the boundary faces between the substrates 1, 11 and the polarizing plates 8, 18, the partial adhesion of the boundary faces, etc., is, therefore, prevented.

LEGAL STATUS

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